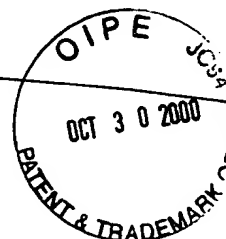


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TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Keyt, Bruce A..
 Nguyen, Francis H.
 Ferrara, Napoleone

<120> NUCLEIC ACIDS ENCODING VARIANTS OF VASCULAR ENDOTHELIAL
 CELL GROWTH FACTOR

<130> A-62326-2

<140> 09/346,069

<141> 1999-07-01

<150> 08/567,200

<151> 1995-12-05

<150> 60/002,827

<151> 1995-08-25

<160> 42

<170> PatentIn Ver. 2.1

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Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu Tyr

5

10

15

ctc cac cat gcc aag tgg tcc cag gct gca ccc atg gca gaa gga gga 155

Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly Gly

20

25

30

ggg cag aat cat cac gaa gtg gtg aag ttc atg gat gtc tat cag cgc 203

Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln Arg

35

40

45

agc tac tgc cat cca atc gag acc ctg gtg gac atc ttc cag gag tac 251
 Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
 50 55 60 65

cct gat gag atc gag tac atc ttc aag cca tcc tgt gtg ccc ctg atg 299
 Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
 70 75 80

cga tgc ggg ggc tgc tgc aat gac gag ggc ctg gag tgt gtg ccc act 347
 Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro Thr
 85 90 95

gag gag tcc aac atc acc atg cag att atg cgg atc aaa cct cac caa 395
 Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
 100 105 110

ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt gaa 443
 Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys Glu
 115 120 125

tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg cct 491
 Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro
 130 135 140 145

tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg tgt 539
 Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys
 150 155 160

aaa tgt tcc tgc aaa aac aca gac tcg cgt tgc aag gcg agg cag ctt 587
 Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu
 165 170 175

gag tta aac gaa cgt act tgc aga tgt gac aag ccg agg cgg tga 632
 Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
 180 185 190

gccggggcagg aggaaggagc ctccctcagg gtttcgggaa ccagatctct caccaggaaa 692

gactgataca gaacgatcga tacagaaacc acgctgccgc caccacacca tcaccatcga 752

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tttgggtccg gagggcgaga ctccggcgga agcattcccg ggcgggtgac ccagcacggt 872

ccctcttggga attggattcg ccattttatt tttcttgctg ctaaatacacc gagcccgga 932

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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
20 25 30
Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
35 40 45
Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
50 55 60
Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
65 70 75 80
Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
85 90 95
Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
100 105 110
Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
115 120 125
Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
130 135 140
Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
145 150 155 160
Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
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<210> 8
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<210> 9
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<210> 10
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<220>
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<210> 11
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<220>
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<400> 11
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<210> 12
<211> 33
<212> DNA
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<210> 13
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<210> 14
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<210> 15
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<210> 16
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<210> 17
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<212> DNA
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36

<210> 18
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<210> 19
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<400> 19
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<400> 20
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<400> 24
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<210> 26
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<400> 27
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<210> 28
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<400> 28
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<400> 29
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27

<210> 32

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic.

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<212> DNA

<213> Artificial Sequence

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<400> 33

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27

<210> 34

<211> 27

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<210> 35

<211> 30

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<210> 37
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<400> 37
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<210> 42

<211> 27

<212> DNA

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